

Abstract

In an injection molding machine the injection molding unit and the mold closing unit are at least are at least partially operated by electrical drives in form of a linear motor. The rotor and the stator have cylindrical surfaces which are arranged concentrically. The stator windings are symmetrical to the motion axis of the linear motor. Several equally acting first cylindrical surfaces are interleaved with a corresponding number of equally acting other cylindrical surfaces and are respectively operated together for operative connection. This results in a linear motor that is able to provide the advance forces required for injection molding.

5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100